

Please type a plus sign (+) inside this box -

+

PTO/SB/05 (1/98)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 0756-2061

First Inventor or Application Identifier: Yasuhiko TAKEMURA

Title: ELECTRO-OPTICAL DEVICE AND METHOD OF DRIVING AND
MANUFACTURING THE SAME

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification Total Pages [88]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) Total Sheets [15]
4. ☒ Oath or Declaration Total Pages [2]
 - a. ☐ Newly executed (original or copy)
 - b. ☒ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☒ Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a
copy of the oath or declaration is supplied under Box 4b,
is considered to be part of the disclosure of the
accompanying application and is hereby incorporated by
reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. ☐ Computer Readable Copy
 - b. ☐ Paper Copy (identical to computer copy)
 - c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☒ Information Disclosure Statement ☐ Copies of IDS
(IDS)/PTO-1449 Citations
12. ☒ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
14. ☐ *Small Entity ☐ Statement filed in prior application,
Statement(s) Status still proper and desired
(PTO/SB/09-12)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☒ Other: Notice of Change of Address

*A new statement is required to be entitled to pay small entity fees,
except where one has been filed in a prior application and is being
relied upon.

17. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment:
Divisional of prior application Serial No. 08/978,597 filed November 26, 1997; which itself is a Division of application
of Serial No. 08/419,956 filed April 10, 1995, now U.S. Patent 5,828,429; which is a Continuation of application Serial
No. 07/959,918 filed October 14, 1992.
Prior application information: Examiner: K. Horney Group/Art Unit: 2871

18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label Customer No. 22204 or ☐ Correspondence address below
(Insert Customer No. or Attach bar code label here)


Name: Eric J. Robinson
Firm: SIXBEY, FRIEDMAN, LEEDOM & FERGUSON, P.C.
Address: 8180 Greensboro Drive, Suite 800
City: McLean State: VA Zip Code: 22102
Country: U.S.A. Telephone (703) 790-9110 FAX (703) 883-0370

Name: Eric J. Robinson Registration No. 38,285

Signature  Date: December 3, 1999

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<h2 style="margin: 0;">FEE TRANSMITTAL</h2> <p style="font-size: small; margin-top: 10px;">Patent fees are subject to annual revision on October 1. These are the fees effective October 1, 1997. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.</p>		Complete If Known																																																																																																																																																																																																																																																															
Application Number																																																																																																																																																																																																																																																																	
Filing Date		December 3, 1999																																																																																																																																																																																																																																																															
First Named Inventor		Yasuhiko TAKEMURA																																																																																																																																																																																																																																																															
Examiner Name		K. Horney																																																																																																																																																																																																																																																															
Group Art Unit		2871																																																																																																																																																																																																																																																															
TOTAL AMOUNT OF PAYMENT		\$5,176.00		Attorney Docket Number																																																																																																																																																																																																																																																													
		0756-2061																																																																																																																																																																																																																																																															
METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																																																																																																															
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account No. 19-2380 Deposit Account Name: SIXBEY, FRIEDMAN, LEEDOM & FERGUSON, PC <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance 2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other		3. ADDITIONAL FEES																																																																																																																																																																																																																																																															
		Large Entity	Small Entity																																																																																																																																																																																																																																																														
FEE CALCULATION 1. BASIC FILING FEE <table style="width: 100%; font-size: x-small;"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Fee Code</td> <td>Fee Code</td> <td></td> <td></td> </tr> <tr> <td>101 760</td> <td>201 380</td> <td>Utility filing fee</td> <td>[760]</td> </tr> <tr> <td>106 310</td> <td>206 155</td> <td>Design filing fee</td> <td>[]</td> </tr> <tr> <td>107 480</td> <td>207 240</td> <td>Plant filing fee</td> <td>[]</td> </tr> <tr> <td>108 760</td> <td>208 380</td> <td>Reissue filing fee</td> <td>[]</td> </tr> <tr> <td>114 150</td> <td>214 75</td> <td>Provisional filing fee</td> <td>[]</td> </tr> <tr> <td colspan="3" style="text-align: right;">SUBTOTAL (1)</td> <td>\$760.00</td> </tr> </tbody> </table>		Large Entity	Small Entity	Fee Description	Fee Paid	Fee Code	Fee Code			101 760	201 380	Utility filing fee	[760]	106 310	206 155	Design filing fee	[]	107 480	207 240	Plant filing fee	[]	108 760	208 380	Reissue filing fee	[]	114 150	214 75	Provisional filing fee	[]	SUBTOTAL (1)			\$760.00	<table style="width: 100%; font-size: x-small;"> <thead> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge-late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge-late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Ext for reply within first month</td><td></td></tr> <tr><td>116</td><td>380</td><td>216</td><td>190</td><td>Ext for reply within second mth</td><td></td></tr> <tr><td>117</td><td>870</td><td>217</td><td>435</td><td>Ext for reply within third mth</td><td></td></tr> <tr><td>118</td><td>1,360</td><td>218</td><td>680</td><td>Ext for reply within fourth mth</td><td></td></tr> <tr><td>128</td><td>1,850</td><td>228</td><td>925</td><td>Ext for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>300</td><td>219</td><td>150</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>300</td><td>220</td><td>150</td><td>Filing brief in support of appeal</td><td></td></tr> <tr><td>121</td><td>260</td><td>221</td><td>130</td><td>Request for Oral Hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive-unavoidable</td><td></td></tr> <tr><td>141</td><td>1,210</td><td>241</td><td>605</td><td>Petition to revive-unintentional</td><td></td></tr> <tr><td>142</td><td>1,210</td><td>242</td><td>605</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>430</td><td>243</td><td>215</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>580</td><td>244</td><td>290</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of IDS</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>760</td><td>246</td><td>380</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>760</td><td>249</td><td>380</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td colspan="5"></td><td>Other _____</td></tr> <tr><td colspan="5"></td><td>Other _____</td></tr> <tr><td colspan="5"></td><td>*Reduced by Basic Filing Fee Paid</td></tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL (3)</td> <td colspan="2" style="text-align: right;">\$ _____</td> </tr> </tbody> </table>	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge-late filing fee or oath		127	50	227	25	Surcharge-late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Ext for reply within first month		116	380	216	190	Ext for reply within second mth		117	870	217	435	Ext for reply within third mth		118	1,360	218	680	Ext for reply within fourth mth		128	1,850	228	925	Ext for reply within fifth month		119	300	219	150	Notice of Appeal		120	300	220	150	Filing brief in support of appeal		121	260	221	130	Request for Oral Hearing		138	1,510	138	1,510	Petition to institute public use proceeding		140	110	240	55	Petition to revive-unavoidable		141	1,210	241	605	Petition to revive-unintentional		142	1,210	242	605	Utility issue fee (or reissue)		143	430	243	215	Design issue fee		144	580	244	290	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	240	126	240	Submission of IDS		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	760	246	380	Filing a submission after final rejection (37 CFR 1.129(a))		149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))							Other _____						Other _____						*Reduced by Basic Filing Fee Paid	SUBTOTAL (3)				\$ _____		2. EXTRA CLAIM FEES <table style="width: 100%; font-size: x-small;"> <thead> <tr> <th>Extra Claims</th> <th>Fee from Below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total Claims <u>66</u> - 20** = <u>46</u></td> <td>X \$18.00 = \$ <u>828.00</u></td> <td></td> </tr> <tr> <td>Independent Claims <u>49</u> - 3** = <u>46</u></td> <td>X \$78.00 = \$ <u>3,588.00</u></td> <td></td> </tr> <tr> <td>Multiple Dependent Claims</td> <td>\$260.00 = \$ _____</td> <td></td> </tr> </tbody> </table> **or number previously paid, if greater, For Reissues, see below <table style="width: 100%; font-size: x-small;"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr> <td>Fee Code</td> <td>Fee Code</td> <td></td> </tr> <tr> <td>103 18</td> <td>203 9</td> <td>Claims in excess of 20</td> </tr> <tr> <td>102 78</td> <td>202 39</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>104 260</td> <td>204 130</td> <td>Multiple dependent claim</td> </tr> <tr> <td>109 78</td> <td>209 39</td> <td>*Reissue independent claims over original patent</td> </tr> <tr> <td>110 18</td> <td>210 9</td> <td>*Reissue claims in excess of 20 and over original patent</td> </tr> <tr> <td colspan="3" style="text-align: right;">SUBTOTAL (2)</td> </tr> </tbody> </table>	Extra Claims	Fee from Below	Fee Paid	Total Claims <u>66</u> - 20** = <u>46</u>	X \$18.00 = \$ <u>828.00</u>		Independent Claims <u>49</u> - 3** = <u>46</u>	X \$78.00 = \$ <u>3,588.00</u>		Multiple Dependent Claims	\$260.00 = \$ _____		Large Entity	Small Entity	Fee Description	Fee Code	Fee Code		103 18	203 9	Claims in excess of 20	102 78	202 39	Independent claims in excess of 3	104 260	204 130	Multiple dependent claim	109 78	209 39	*Reissue independent claims over original patent	110 18	210 9	*Reissue claims in excess of 20 and over original patent	SUBTOTAL (2)		
Large Entity	Small Entity	Fee Description	Fee Paid																																																																																																																																																																																																																																																														
Fee Code	Fee Code																																																																																																																																																																																																																																																																
101 760	201 380	Utility filing fee	[760]																																																																																																																																																																																																																																																														
106 310	206 155	Design filing fee	[]																																																																																																																																																																																																																																																														
107 480	207 240	Plant filing fee	[]																																																																																																																																																																																																																																																														
108 760	208 380	Reissue filing fee	[]																																																																																																																																																																																																																																																														
114 150	214 75	Provisional filing fee	[]																																																																																																																																																																																																																																																														
SUBTOTAL (1)			\$760.00																																																																																																																																																																																																																																																														
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																																																												
105	130	205	65	Surcharge-late filing fee or oath																																																																																																																																																																																																																																																													
127	50	227	25	Surcharge-late provisional filing fee or cover sheet																																																																																																																																																																																																																																																													
139	130	139	130	Non-English specification																																																																																																																																																																																																																																																													
147	2,520	147	2,520	For filing a request for reexamination																																																																																																																																																																																																																																																													
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																																													
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																																													
115	110	215	55	Ext for reply within first month																																																																																																																																																																																																																																																													
116	380	216	190	Ext for reply within second mth																																																																																																																																																																																																																																																													
117	870	217	435	Ext for reply within third mth																																																																																																																																																																																																																																																													
118	1,360	218	680	Ext for reply within fourth mth																																																																																																																																																																																																																																																													
128	1,850	228	925	Ext for reply within fifth month																																																																																																																																																																																																																																																													
119	300	219	150	Notice of Appeal																																																																																																																																																																																																																																																													
120	300	220	150	Filing brief in support of appeal																																																																																																																																																																																																																																																													
121	260	221	130	Request for Oral Hearing																																																																																																																																																																																																																																																													
138	1,510	138	1,510	Petition to institute public use proceeding																																																																																																																																																																																																																																																													
140	110	240	55	Petition to revive-unavoidable																																																																																																																																																																																																																																																													
141	1,210	241	605	Petition to revive-unintentional																																																																																																																																																																																																																																																													
142	1,210	242	605	Utility issue fee (or reissue)																																																																																																																																																																																																																																																													
143	430	243	215	Design issue fee																																																																																																																																																																																																																																																													
144	580	244	290	Plant issue fee																																																																																																																																																																																																																																																													
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																																																																																													
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																																																																																																													
126	240	126	240	Submission of IDS																																																																																																																																																																																																																																																													
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																																																													
146	760	246	380	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																																																																													
149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																																																																													
					Other _____																																																																																																																																																																																																																																																												
					Other _____																																																																																																																																																																																																																																																												
					*Reduced by Basic Filing Fee Paid																																																																																																																																																																																																																																																												
SUBTOTAL (3)				\$ _____																																																																																																																																																																																																																																																													
Extra Claims	Fee from Below	Fee Paid																																																																																																																																																																																																																																																															
Total Claims <u>66</u> - 20** = <u>46</u>	X \$18.00 = \$ <u>828.00</u>																																																																																																																																																																																																																																																																
Independent Claims <u>49</u> - 3** = <u>46</u>	X \$78.00 = \$ <u>3,588.00</u>																																																																																																																																																																																																																																																																
Multiple Dependent Claims	\$260.00 = \$ _____																																																																																																																																																																																																																																																																
Large Entity	Small Entity	Fee Description																																																																																																																																																																																																																																																															
Fee Code	Fee Code																																																																																																																																																																																																																																																																
103 18	203 9	Claims in excess of 20																																																																																																																																																																																																																																																															
102 78	202 39	Independent claims in excess of 3																																																																																																																																																																																																																																																															
104 260	204 130	Multiple dependent claim																																																																																																																																																																																																																																																															
109 78	209 39	*Reissue independent claims over original patent																																																																																																																																																																																																																																																															
110 18	210 9	*Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																																																																															
SUBTOTAL (2)																																																																																																																																																																																																																																																																	
SUBMITTED BY		Complete (if applicable)																																																																																																																																																																																																																																																															
Typed or Printed Name		Eric J. Robinson		Reg. Number																																																																																																																																																																																																																																																													
				38,285																																																																																																																																																																																																																																																													
Signature		Date		Deposit Account																																																																																																																																																																																																																																																													
		December 3, 1999		19-2380																																																																																																																																																																																																																																																													
				User ID																																																																																																																																																																																																																																																													

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.